



Fri, 29 Jun 2007, 8:54:44 PM EST

## Search Query Display

10/777,140

## Recent Search Queries

- #1 (vehicle\* <or> car\* <or> automobile\*)<and>((modif\* <or> chang\* <or> edit\* <or> correct\*) <sentence> (gas\* <or> (power\* <sentence> suppl\*) <or> fuel\* <or> energy\*) <sentence> (line\* <or> curve\* <or> diagram\*))) <and> (((threshold\* <or> max\* <or> min\* <or> predetermin\* <or> ~pre-determin~~) <sentence> (gas\* <or> (power\* with suppl\*) <or> fuel\* <or> energy\*)) <in> pdfdata
- #2 (vehicle\* <or> car\* <or> automobile\*)<and>((modif\* <or> chang\* <or> edit\* <or> correct\*) <sentence> (gas\* <or> fuel\* <or> energy\*) <sentence> (curve\* <or> diagram\*))) <and> (((threshold\* <or> max\* <or> min\* <or> predetermin\* <or> pre-determin ) <sentence> level\*) <sentence> (gas\* <or> fuel\* <or> energy\*)) <in> pdfdata
- #3 (vehicle\* <or> car\* <or> automobile\*)<and>((modif\* <or> chang\* <or> edit\* <or> correct\*) <sentence> (gas\* <or> fuel\* <or> energy\*) <sentence> (curve\* <or> diagram\*))) <and> (((threshold\* <or> max\* <or> min\* <or> predetermin\* <or> pre-determin ) <sentence> level\*) <sentence> (gas\* <or> fuel\* <or> energy\*)) <in> pdfdata
- #4 (vehicle\* <or> car\* <or> automobile\*)<and>((modif\* <or> chang\* <or> edit\* <or> correct\*) <sentence> (gas\* <or> fuel\* <or> energy\*) <sentence> (curve\* <or> diagram\*))) <and> (((threshold\* <or> max\* <or> min\* <or> predetermin\* <or> pre-determin ) <sentence> level\*) <sentence> (gas\* <or> fuel\* <or> energy\*)) <in> pdfdata
- #5 (vehicle\* <or> car\* <or> automobile\*)<and>((modif\* <or> chang\* <or> edit\* <or> correct\*) <sentence> (gas\* <or> (power\* <sentence> suppl\*) <or> fuel\* <or> energy\*) <sentence> (line\* <or> curve\* <or> diagram\*))) <and> (((threshold\* <or> max\* <or> min\* <or> predetermin\* <or> ~pre-determin~~) <sentence> (gas\* <or> (power\* with suppl\*) <or> fuel\* <or> energy\*)) <in> pdfdata
- #6 (vehicle\* <or> car\* <or> automobile\*)<and>((modif\* <or> chang\* <or> edit\* <or> correct\*) <sentence> (gas\* <or> (power\* <sentence> suppl\*) <or> fuel\* <or> energy\*) <sentence> (line\* <or> curve\* <or> diagram\*))) <and> (((threshold\* <or> max\* <or> min\* <or> predetermin\* <or> ~pre-determin~~) <sentence> (gas\* <or> (power\* with suppl\*) <or> fuel\* <or> energy\*)) <in> pdfdata
- #7 (vehicle\* <or> car\* <or> automobile\*)<and>((modif\* <or> chang\* <or> edit\* <or> correct\*) <sentence> (gas\* <or> fuel\* <or> energy\*) <sentence> (curve\* <or> diagram\*))) <and> (((threshold\* <or> min\* <or> predetermin\* <or> ~pre-determin~~) <sentence> (pass\* <or> exceed\* <or> <sentence> level\*) <sentence> (gas\* <or> fuel\* <or> energy\*)) <in> pdfdata



Welcome United States Patent and Trademark Office

☐ Search Results[BROWSE](#)[SEARCH](#)[IEEE XPLORE GUIDE](#)

Results for "(vehicle\* &lt;or&gt; car\* &lt;or&gt; automobile\*)&lt;and&gt;((modif\* &lt;or&gt; chang\* &lt;or&gt; ed..."

☒ e-mail

Your search matched 12 of 1595071 documents.

A maximum of 100 results are displayed, 25 to a page, sorted by **Relevance** in **Descending** order.

## Modify Search


☐ Check to search only within this results setDisplay Format: ☐ Citation ☒ Citation & Abstract[Select All](#) [Deselect All](#)

- ☐ 1. **Au-ITO anode for efficient polymer light-emitting device operation**  
 Lin Ke; R.S. Kumar; Peng Chen; Lu Shen; Soo-Jin Chua; A.P. Burden;  
[Photonics Technology Letters, IEEE](#)  
 Volume 17, Issue 3, March 2005 Page(s):543 - 545  
 Digital Object Identifier 10.1109/LPT.2004.841031  
**Summary:** A thick gold layer is deposited on indium tin oxide (ITO) to improve the interf. between the ITO anode and the organic layer in organic light-emitting diodes (LEDs). W improvement, the device with structure ITO/Au/hole-transport-lay.....  
[AbstractPlus](#) | Full Text: [PDF](#)(208 KB) [IEEE JNL](#)  
[Rights and Permissions](#)
- ☐ 2. **Preliminary biochemical fuel cell investigations**  
 Colichman, E.L.;  
[Proceedings of the IEEE](#)  
 Volume 51, Issue 5, May 1963 Page(s):812 - 819  
**Summary:** The action of Desulfovibrio bacteria has been observed in a prototype bioche. The catabolic action of this microorganism in a properly balanced system, i.e., containin electrolyte-nutrient and bio-fuel combination, shows promise .....
- ☐ 3. **Energy optimization of pipelined digital systems using circuit sizing and supply s**  
 Dao, H.Q.; Zeydel, B.R.; Oklobdzija, V.G.;  
[Very Large Scale Integration \(VLSI\) Systems, IEEE Transactions on](#)  
 Volume 14, Issue 2, Feb. 2006 Page(s):122 - 134  
 Digital Object Identifier 10.1109/TVLSI.2005.863760  
**Summary:** We present a systematic method for minimizing the energy of pipelined digit through joint optimization of each pipeline stage and the system. A pipeline stage with a can either be optimized for delay at a given input size, m.....  
[AbstractPlus](#) | Full Text: [PDF](#)(728 KB) [IEEE JNL](#)  
[Rights and Permissions](#)
- ☐ 4. **Hydrogen-sensitive silicon tunnel MIS switching diodes**  
 Kawamura, K.; Yamamoto, T.;  
[Electron Device Letters, IEEE](#)  
 Volume 4, Issue 4, Apr 1983 Page(s):88 - 89  
**Summary:** Palladium thin SiO<sub>2</sub>-n-p<sup>+</sup>silicon switching diodes have been fabricated in wh voltage changes in proportion to the hydrogen concentration in the ambient gas. In the t operated at 100°C, the switchin.....

[AbstractPlus](#) | [Full Text: PDF\(376 KB\)](#) [IEEE JNL](#)  
[Rights and Permissions](#)

- ☐ **5. Optical fiber loop memory using vertical to surface transmission electro-photonics**  
Yamanaka, Y.; Numai, T.; Kasahara, K.; Kubota, K.;  
[Lightwave Technology, Journal of](#)  
Volume 11, Issue 12, Dec. 1993 Page(s):2140 - 2144  
Digital Object Identifier 10.1109/50.257981  
**Summary:** An optical fiber loop memory is proposed, using a photonic switch device of surface transmission electro-photonics device. The photonic switch works as an optical p The operation stability as the memory was analyzed, and mo.....  
[AbstractPlus](#) | [Full Text: PDF\(364 KB\)](#) [IEEE JNL](#)  
[Rights and Permissions](#)
- ☐ **6. Guaranteed stability of haptic systems with nonlinear virtual environments**  
Miller, B.E.; Colgate, J.E.; Freeman, R.A.;  
[Robotics and Automation, IEEE Transactions on](#)  
Volume 16, Issue 6, Dec. 2000 Page(s):712 - 719  
Digital Object Identifier 10.1109/70.897782  
**Summary:** Design of haptic systems that guarantee stable interaction is a challenging task environments are typically highly nonlinear-resulting in a nonpassive discrete-time model investigate how nonlinear mass/spring/damper virtual .....  
[AbstractPlus](#) | [References](#) | [Full Text: PDF\(168 KB\)](#) [IEEE JNL](#)  
[Rights and Permissions](#)
- ☐ **7. Energy-centric enabling technologies for wireless sensor networks**  
Min, R.; Bhardwaj, M.; Seong-Hwan Cho; Ickes, N.; Shih, E.; Sinha, A.; Alice Wang; Ch; [Wireless Communications, IEEE \[see also IEEE Personal Communications\]](#)  
Volume 9, Issue 4, Aug. 2002 Page(s):28 - 39  
Digital Object Identifier 10.1109/MWC.2002.1028875  
**Summary:** Not available.....  
[AbstractPlus](#) | [References](#) | [Full Text: PDF\(871 KB\)](#) [IEEE JNL](#)  
[Rights and Permissions](#)
- ☐ **8. A quantitative analysis of the net benefits of grid integrated wind**  
Denny, E.; Bryans, G.; Fitz Gerald, J.; O'Malley, M.;  
[Power Engineering Society General Meeting, 2006. IEEE](#)  
18-22 June 2006 Page(s):8 pp.  
Digital Object Identifier 10.1109/PES.2006.1709459  
**Summary:** Throughout the world significant development is being encouraged in wind electricity generation. A complete cost and benefit analysis has been conducted in this connected wind generation. It takes into account system costs su.....  
[AbstractPlus](#) | [Full Text: PDF\(160 KB\)](#) [IEEE CNF](#)  
[Rights and Permissions](#)
- ☐ **9. The special software package for the electron energy spectrum study of semiconductors**  
Kalganov, V.D.; Milesheva, N.V.; Sapronov, S.A.; Ostroumova, E.V.; Rogacheva, E.A.;  
[Microelectronics, 2004. 24th International Conference on](#)  
Volume 2, 16-19 May 2004 Page(s):495 - 497 vol.2  
**Summary:** Special software package named FEESA was developed for the multipurpose measurement system, based on the field electron energy analyzer. FEESA tests both the control system and the measuring electric circuit to check for a pos.....  
[AbstractPlus](#) | [Full Text: PDF\(354 KB\)](#) [IEEE CNF](#)  
[Rights and Permissions](#)
- ☐ **10. Generation reliability impacts of industry-owned distributed generation sources**  
Chowdhury, A.A.; Koval, D.O.;  
[Industry Applications Conference, 2003. 38th IAS Annual Meeting. Conference Record](#)  
Volume 2, 12-16 Oct. 2003 Page(s):1321 - 1327 vol.2  
**Summary:** The successful integration of industry-owned distributed generation (DG) sources

power systems of deregulated electric utilities involves fundamental long-term issues, objectives and important uncertainties. Presently, corporate .....

[AbstractPlus](#) | Full Text: [PDF\(347 KB\)](#) [IEEE CNF](#)  
[Rights and Permissions](#)



**11. Thermal management of portable micro fuel cell stacks**

Hahn, R.; Krumm, M.; Reichl, H.;  
[Semiconductor Thermal Measurement and Management Symposium, 2003. Nineteenth / 11-13 March 2003](#) Page(s):202 - 209  
Digital Object Identifier 10.1109/STHERM.2003.1194363

**Summary:** A prototype of a CamCorder with a PEM (polymer electrolyte membranes) fuel cell consisting of a stack of fifteen bipolar plates was developed to deliver a maximum output. This system replaces the Li-ion battery pack normally used .....

[AbstractPlus](#) | Full Text: [PDF\(664 KB\)](#) [IEEE CNF](#)  
[Rights and Permissions](#)



**12. Cost-effective energy system measures studied by dynamic modelling**

Andersson, M.; Bjork, C.; Karlsson, B.;  
[Advances in Power System Control, Operation and Management, 1993. APSCOM-93., : Conference on 7-10 Dec 1993](#) Page(s):448 - 455 vol.1

**Summary:** In a national electricity system there often exists a great potential for increasing efficiency of the electricity use. However, if the economic incentives for improving the use are too weak, it is most likely that this potential .....

[AbstractPlus](#) | Full Text: [PDF\(604 KB\)](#) [IET CNF](#)

## Refine Search

Your wildcard search against 10000 terms has yielded the results below.

***Your result set for the last L# is incomplete.***

The probable cause is use of unlimited truncation. Revise your search strategy to use limited truncation.

### Search Results -

Terms	Documents
L63 and ((threshold\$ or max\$ or min\$ or predetermin\$ or "pre-determin") with (gas\$ or (power\$ with suppl\$) or fuel\$ or energy))	3

Database:

US Pre-Grant Publication Full-Text Database  
 US Patents Full-Text Database  
 US OCR Full-Text Database  
 EPO Abstracts Database  
 JPO Abstracts Database  
 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

Search:

10/777140

Refine Search

Recall Text

Clear

Interrupt

### Search History

DATE: Friday, June 29, 2007    [Purge Queries](#)    [Printable Copy](#)    [Create Case](#)

Set  
Name Query  
 side by  
 side

Hit  
Count  
Set  
Name  
result  
set

DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES;  
 OP=OR

L64 L63 and ((threshold\$ or max\$ or min\$ or predetermin\$ or "pre-determin") with (gas\$ or (power\$ with suppl\$) or fuel\$ or energy)) 3 L64

L63 L62 and ((modif\$ or chang\$ or edit\$ or correct\$) with (gas\$ or (power\$ with suppl\$) or fuel\$ or energy) with (line or curve or diagram\$)) 8 L63

L62 l58 or l59 or l61 89 L62

DB=USPT; THES=ASSIGNEE; PLUR=YES; OP=OR

L61 (5492102 | 4787044 | 4586480 | 5050554 | 4439158 | 3815564 | 4598374 | 5426587 | 4829963 | 5605132 | 4523281 | 4485443 | 5534759 | 4809177 | 4564906 | 4590908 | 4570226 | 4542460 | 4408293 | 4852011 | 5630397 | 37 L61

5544521 | 4493303 | 4407132 | 3934430 | 5495906 | 4267545 | 4541052 |  
 5237862 | 5809969 | 5081365 | 5367455 | 3603112 | 4701852 | 4459671 |  
 4737915 | 3628889)! [PN]

*DB=PGPB,USPT,DWPI; THES=ASSIGNEE; PLUR=YES; OP=OR*

("20020133279" | "5901684" | "4885690" | "5670830" | "5121324" | "US  
L60 5901684A" | "US 6445990B" | "AT 8400319A" | "US 5121324A") 10 L60  
[ABPN1,NRPN,PN]

*DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES;  
 OP=OR*

L59 157 10 L59

*DB=PGPB,USPT,DWPI; THES=ASSIGNEE; PLUR=YES; OP=OR*

("20020133279" | "5901684" | "4885690" | "5670830" | "5121324" | "US  
L58 5901684A" | "US 6445990B" | "AT 8400319A" | "US 5121324A") [URPN] 42 L58

*DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES;  
 OP=OR*

L57 5670830.pn. or 5901684.pn. or 20020133279 or 5121324.pn. or 4885690.pn. 10 L57

*DB=USPT; THES=ASSIGNEE; PLUR=YES; OP=OR*

L56 L53 and percent\$ 1 L56

L55 L53 and coefficient\$ 0 L55

L54 L53 and factor\$ 1 L54

L53 5901684.pn. 1 L53

*DB=PGPB,USPT; THES=ASSIGNEE; PLUR=YES; OP=OR*

L52 L3 and (emission with sens\$) 2 L52

L51 L23 and (emission with sens\$) 0 L51

L50 L32 and (emission with sens\$) 0 L50

L49 L31 and (emission with sens\$) 0 L49

L48 L34 and (emission with sens\$) 0 L48

L47 L37 and (emission with sens\$) 0 L47

L46 L40 and (emission with sens\$) 0 L46

L45 L16 and (sens\$ with (gear or transmission)) 0 L45

L44 L16 and (sens\$ with range with transmission) 0 L44

L43 L39 and (sens\$ with range with transmission) 2 L43

L42 L39 and (sens\$ with slip\$ with range with transmission) 0 L42

L41 L40 not L37 10 L41

L40 L39 and (slip\$ with range with transmission) 10 L40

L39 L21 or L38 964 L39

L38 (701/54 | 701/82).ccls. 771 L38

L37 L30 and L36 4 L37

L36 (slip\$ with range with transmission) and vehicle 417 L36

L35 L34 and (control\$ with fuel) 18 L35

L34 L30 and (sens\$ with power\$) and (sens\$ with (transmission or gear\$)) 79 L34

L33 L32 and (mangag\$ with fuel\$) 0 L33

L32 L30 and (sens\$ same load\$ same (transmission or gear\$)) 82 L32

<u>L31</u>	L30 and (sens\$ with load\$ with gear\$)	19	<u>L31</u>
<u>L30</u>	(701/50  701/81).cccls.	1287	<u>L30</u>
<u>L29</u>	((sens\$ same load\$ same gear\$) and (tranmission with rang\$))	1	<u>L29</u>
<u>L28</u>	((sens\$ same load\$ same gear\$) same (tranmission with rang\$))	0	<u>L28</u>
<u>L27</u>	L21 and ((sens\$ same load\$ same gear\$) same (tranmission with rang\$))	0	<u>L27</u>
	<i>DB=USPT; THES=ASSIGNEE; PLUR=YES; OP=OR</i>		
<u>L26</u>	L7 and (track\$)	0	<u>L26</u>
	<i>DB=PGPB,USPT; THES=ASSIGNEE; PLUR=YES; OP=OR</i>		
<u>L25</u>	L7 and (driv\$ same track\$)	0	<u>L25</u>
	<i>DB=USPT; THES=ASSIGNEE; PLUR=YES; OP=OR</i>		
<u>L24</u>	L7 and (driv\$ adj2 track\$)	0	<u>L24</u>
	<i>DB=PGPB,USPT; THES=ASSIGNEE; PLUR=YES; OP=OR</i>		
<u>L23</u>	L21 and driv\$ adj2 track\$	7	<u>L23</u>
<u>L22</u>	L21 and "drive-track"	0	<u>L22</u>
<u>L21</u>	(701/50  701/81).cccls. and L20	196	<u>L21</u>
	<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=OR</i>		
<u>L20</u>	engine and ((construc\$ adj vehicle\$) or earth\$)	42382	<u>L20</u>
<u>L19</u>	L2 and ((construc\$ adj vehicle\$) or earth\$)	3	<u>L19</u>
<u>L18</u>	L2 and (construction\$ adj vehicle\$)	0	<u>L18</u>
	<i>DB=USPT; THES=ASSIGNEE; PLUR=YES; OP=OR</i>		
<u>L17</u>	L16 and (load\$ with fuel\$ with suppl\$)	0	<u>L17</u>
<u>L16</u>	L15 or L7	3	<u>L16</u>
<u>L15</u>	5121324.pn.	1	<u>L15</u>
	<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=OR</i>		
<u>L14</u>	L12 and (fuel\$ with suppl\$)	8	<u>L14</u>
<u>L13</u>	L12 and (fuel adj2 suppl\$)	1	<u>L13</u>
<u>L12</u>	vehicle and (rack adj2 position)	1880	<u>L12</u>
	<i>DB=USPT; THES=ASSIGNEE; PLUR=YES; OP=OR</i>		
<u>L11</u>	L5 and (fuel\$ with limit\$)	1	<u>L11</u>
<u>L10</u>	L7 and (control\$ with fuel\$ with curve)	1	<u>L10</u>
<u>L9</u>	L7 and (modif\$ with curve)	1	<u>L9</u>
<u>L8</u>	L7 and (modif\$ with fuel\$ with curve)	1	<u>L8</u>
<u>L7</u>	L5 or L6	2	<u>L7</u>
<u>L6</u>	5901684.pn.	1	<u>L6</u>
<u>L5</u>	5670830.pn.	1	<u>L5</u>
	<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=OR</i>		
<u>L4</u>	L3 and (fuel\$ with limit\$)	14	<u>L4</u>
<u>L3</u>	L2 and vehicle	22	<u>L3</u>
<u>L2</u>	modif\$ with fuel\$ with curve	75	<u>L2</u>

L1    modif\$ with fuel\$ with curve with suppl\$

1    L1

END OF SEARCH HISTORY